VENTILATION—PURE AIR.

Sherringham's Ventilator, for the admission of pure air through an

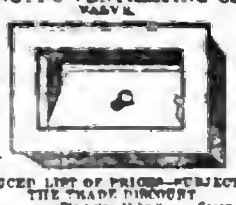
EXTERNAL WALL.

Will single pulley, from 4s. each; with double pulley, from 6s. 6d.

These Ventilators are so arranged that the requisite quantity of air may be admitted for the due ventilation of an apartment without the slightest draught being felt by the occupants; and as they are placed in the external wall their action is not impeded when the house is closed for the evening, at which time a constant supply of fresh air is most required.—HAYWARD, BROTHERS, 187, Bermondsey-street, 139, Bloomfield-road, and 137, Union-street, Borough; and of all respectable iron mongers, builders, &c.

DR. ARNOTT'S VENTILATING CHIMNEY VALVE.

With internal action, and all the latest improvements.



Recommended for the ventilation of apartments generally.

REDUCED LIST OF PRICES—SUBJECT TO THE TRADE DISCOUNT.

	First size, 11 by 8	Second size, 10 by 8
Plain Iron Valve	6 0	5 0
Bronzed and Leathered	7 0	6 0
Japanned, white with Gold Lines	11 6	10 0
Ditto with Trellis-work	17 0	15 0
Brass Front, lacqd. or bronzed	13 0	12 0
Ditto with Trellis-work	19 0	17 0

Ventilators of any description made to order

Manufactured by HART and SON, 33, 34, 35, Wych-street, Strand, London.—Post-office orders payable at 205, Strand.

CHURCH BELLS of the highest quality of tone and finish, at 1s. per lb. Peals of 6 to 8 recast and guaranteed. House bells, with turned edges and wrought-iron clappers, at 10d. per lb. Cracks of property carefully restored free.—Apply to BARNETT and OSBORNE, Bishopsgate Foundry, Skinner street, London.

WARMING by HOT WATER.—J. WEEKS and Co. Kingsbrook, Chelsea.—A great variety of plain and ornamental apparatuses, consisting of Pedestals and Stands of Pipes for warming Churches, Mansions, Warehouses, Offices, Drying-rooms, Conservatories, &c. &c.—To be seen in extensive operation on our Premises at Chelsea, and also at Mr. STOCKEN'S extensive carpet repository, Halifax-street, Hyde park-corner.

WARMING and VENTILATING.—

CUTTAM and HALLEN, 1, Wimsley-street, Pentonville, having had thirty years' experience, and having warmed by the circulation of hot water upwards of FOUR THOUSAND BUILDINGS, consisting of Churches, Prisons, Lunatic Asylums, Halls and Private Houses, Gaol-houses, Hospitals, Public Offices, &c., can with confidence recommend their system, which, by the various improvements they have made has PREVENTED THE CORRUPTION AND ECONOMIZED THE EXPANSE. Greenhouses, Conservatories, Verandahs constructed entirely of iron or wood, and of iron and wood combined. Estimates upon application.

CUTTAM and HALLEN, Engineers and Ironfounders, 1, Wimsley-street, Pentonville road, London.

NOIRSAIN'S VENTILATING GRATES and STOVES.—A long sense has for some time been felt to obtain a Grate or Stove to be used in the bedrooms at night, without the disagreeable effects arising from the consumption of the oxygen of the air, and the production of carbonic acid gas, which are the causes of headache, and frequently of fever. This desideratum is now obtained. Great economy in fuel,—entire prevention of smoking in Chimneys—and Perfect Regulation of the Temperature of Rooms, effected by the new Ventilating Grates, which may be applied to any fireplace.

The Proprietors solicit the attention of the public and scientific men to the patent application,—the utility and superior advantages of which will be satisfactorily demonstrated at the Depôt, 131, REGENT-STREET, to any visitor. The highest testimonials given. Prices, from Two Guineas upwards. S. KIDD, Agent.

NEW HOUSES of PARLIAMENT.—DEFRIES'S GAS STOVES, RANGES, and BATHS just complet d for two Kitchens in the above building. A great variety in stock upon the same principle. GAS BATHS from 7l. by which a warm bath may be obtained for three halfpence;—Circulars at the Office, 143, Regent street; Manufactories removed from 59, Hampstead-road, and 87, St. Martin's-lane, to more extensive premises in the New-road, St. Pancras.

A NEW STOVE.—GREAT NOVELTY.—In the construction of the BURTON REGISTER STOVE, it was the first care of the inventor, WILLIAM S. BURTON, to avail himself of the most valued of modern improvements in the art of heating, and secondly, so to modify and alter the receptacle for the coals as at once to obtain the simplest and most perfect combustion; after a long series of experiments, he has, by the substitution of a graceful form of shell for the present clumsy and ill-adapted fire-pot, succeeded in producing a fire, far more soft and brilliant in light, as well as purity and quantity of heat, for beyond the most sanguine expectations, while for cleanliness and effectualness it is utterly unapproachable. Price, from 6l. to 14l. To be seen in use daily in his show-rooms, where else are to be seen

The STOVES and the FENDERS are selected of renewed stock all differing in patterns, forming the largest assortment ever collected together. They are marked in plain figures, and at prices proportionate with those that have tended to make his establishment the most distinguished in this country. Bright Stoves, with bronze and ornament and two sets of bars, 8l. 15s., to 9l. 10s.; ditto, with ormolu ornaments and two sets of bars, 9l. 10s. to 13l. 5s.; bronzed Fenders, complete, with standards, from 2s. to 3l.; steel Fenders, from 3l. 15s. to 8l.; ditto, with rich ormolu ornaments, from 4l. 15s. to 7l. 7s.; Fire-irons, from 3s. 6d. the set to 2l. 2s. Wilton rugs and all other Patent Stoves, with radiating hearth-plates, and Kitchen Ranges, may be examined in all the various requisite sizes.

First—From the frequency and extent of the purchases now made.

Secondly—From those purchases being made exclusively for cash.

WILLIAM S. BURTON has TEN LARGE SHOW-ROOMS all communicating, exclusive of the shops, devoted solely to the show of GENERAL FURNISHING IRONMONGERY, including cutlery, plated silver, plated, and japanned wares, iron and brass bedsteads, so arranged and classified that purchasers may easily and at once make their selections.

Catalogues, with engravings, sent (per post) free. The money returned for every article not approved of.

39, OXFORD-STREET (corner of Newman street), Nos. 1 and 2, NEWMAN-STREET; and 4 and 5, PERRY'S-PLACE.

Established A.D. 1820.

COPPER BOILERS, of various Shapes, for HEATING BATHS and CONSERVATORIES

Fig. 1. Fig. 2. Fig. 3. Fig. 4.

Fig. 1, TYLER'S IMPROVED COPPER CIRCULATING BATH BOILER, on Iron Frame complete for fixing.—Fig. 2, COPPER RIVETTED ARCH TOP BOILER for large Greenhouses or Public Buildings, from four to forty gallons.—Fig. 3, DOME TOP COPPERS, with draw-off Cocks, for Public Baths, from fifteen to one hundred and fifty gallons.—Fig. 4, TINNED COPPER COIL PIPES for HEATING BATHS, by passing Water through the Kitchen Range Boiler.—Apply to Ironmongers or Plumbers, or to the Manufacturers, J. TYLER and SON, Warwick-lane, London.

JOSH. WILSON, and BELL, NEWCASTLE-ON-TYNE,

Manufacturers of Pot Iron, Railway Chairs, Pump and Engine Work, Cast-iron Goods, and

ST. MARK'S PATENT CAST IRON GAS and WATER PIPES.

Offices, No. 1, Moorfields, London.

NAILS and IRONMONGERY, from the BIRMINGHAM Glasses,

Builders, Cabinet-makers and Others, supplied with Nails, Iron, and Ironmongery, of every description, on the

LOWEST BIRMINGHAM PRICES,

a complete LIST of which

will be forwarded upon application to

FREDERICK BETTS,

Nail Manufacturer and General Factor,

Edmund-street, BIRMINGHAM;

or, at 17, Gresham street West, LONDON.

PATENT WROUGHT NAILS.—These NAILS are submitted to the notice of Builders, Contractors, and others, as being superior to any others, and cheaper. Their superiority is the best hand-made nails, and is greater differently of make. The diamond-pointed nail is recommended where strength and durability are required. The flat-pointed nail is recommended where split wood is used, being very clinch-qualified, they require no boring, and will drive into the hardest wood without splitting it, and these heads, being very strong. Do not fly off. The patent wrought nails may be had of all ironmongers. A stock of them is kept at the warehouses of the agents, HINDS and GODFREY, Wholesale Ironmongers, 179, Borough, London.

TO BUILDERS, CARPENTERS, CABINET-MAKERS, &c.

JOHN DALE, 18 and 19, Chiswell-street,

Finsbury square, respectfully invites the above Trades to the inspection of his immense stock of Ironmongery, which cannot be surpassed in variety, quality, and cheapness by any house in London.

Elliptic Stoves, double backs, 24d. per inch, and upwards

Register Stoves, 4½d. 5d. 6d. 6½d. 7½d. per inch.

Half-acting Ranges, with circular ovens and back boilers, best wrought bars and bright fittings:—

1 ft., 3l. 15s.; 2 ft. 9 in., 5l. 5s.; 3 ft., 6l. 15s.

3-feet Cottage Ranges, with ovens and back boilers, 12s. each.

3-feet self-acting ditto, ditto, 24s. each.

Air Bricks, 3s. 3d. per doz.

1-inch Cut Lath Nails, 12s. 6d. per cwt.

Best Patent Cut Clasps.

1½	1¼	1	¾	½ inch and larger.
14s. 6d.	14s.	13s. 6d.	13s.	per cwt.

Best Sheet Floor Brads, 11s. 6d. per cwt.

Best Town Glue, 9½d. Ditto, Scotch, 8½d. per cwt.

Best Patent Sash Line.

1	2	3	4	5	6
4s. 6d.	5s. 6d.	6s. 6d.	7s.	8s.	10s. 6d. per gross.

List of Prices had on application at the Warehouse, or by letter prepaid.

CLARK and HUNT'S IRONMONGERY, STOVE and METAL WAREHOUSE, 130, Shoreditch.

Improved Self-acting Cottage Ranges,	21	23	24	26 inch.
with Large Oven and Boiler	20s.	22s.	24s.	30s.
Best Self-acting Ranges, with Oven and	24	26	30	36 inch
Back Boiler, Bright Wrought Bars	30s.	34s.	38s.	42s.

Strong Elliptic Stoves, with Extra Back and Solid Bars, per inch, 9½d.

Register Stoves, with Solid Bars, per inch, 5d. Best Solar ditto, with Fire Brick flash, per inch, 10d.

Bright Stoves, with Two Fires, 9s. to 10s. each.

Cast Rain-water Pipe { 3 in. 9d. | 4 in. 10d. } 1s. per yard.

Cast Gutters—4 inch, 8d. per yard.

O G Gutters	4	6 inch.
	11d.	1s. per yard.
Best Cut Clasp	1¼	1	¾	½ inch.
and Rose	14s. 6d.	13s.	12s. 6d.	12s. per cwt.

Sheet Flooring Brads, 11s. 6d. per cwt.

1-inch Cut Lath, 12s. 6d. Cast Lath, 9s. 6d.

Patent Line { 3 | 2 | 1 | 0 | 00 | 000 } 4d. 5d. 6d. 7d. 8d. 9d. per knot.

6-inch 3-Bolt Rd. Wood Mortise, with best Furniture and Patent Spindles, 8s. each. Light Elliptic and Register Metal, 12½ per cwt.

Dr. Arnott's Ventilators, 6s. 6d. each.

An extensive stock of bar, rod, hoop, and sheet iron.

Clark and Hunt's Improved Glass Paper

BRITANNIA NAIL WAREHOUSE, 44, FARRINGDON-STREET.—H. O. PIERCE supplies Builders, &c. at the following low prices:—

Fine Britannia Cut	10s. 6d.	11s.	12s. 6d.	13s.	19s. per cwt.
Clasp and Rose	1¼	1¼	1	¾	½ inch.

Sheet Floor Brads, 9 inch, 9½ inch, 3 inch 11s. 6d. per cwt.

Fine Cut Lath, 12s. 6d.; Cast ditto, 9s. 6d. per cwt.

Self-acting Oven and Boiler Ranges	20s.	22s.	24s.
Self-acting Ditto, with Wrought	22s.	24s.	27s.
Bars and Bright Fittings	30	32	36 inch.

Strong Double Back Elliptics, 9½d. per inch; Ditto Reg's cwt. 5d. per inch.

Rain Water Pipe	3 in. 9d.	4 in. 10d.	5 in. 1s.	per yard.
Half-round Guttering	4 inch 9d.	O G ditto 6d.	5 inch 11d.	6 inch 1s. per yard.

Air Bricks, 3s. 3d. per dozen. Sash Weights, 8s. per cwt.

Rim Locks, 6 inch 9 inch, patent spindles, 12s. 6d. per dozen.

Mortice Locks, 6 and 9 inch, improved with patent spindles, 24s. per dozen.

Patent Sash Line	2s. 6d.	3s.	3s.	4s.	6d. per gross.
	Nos. 3	4	5	6	
Cast Bell Flues	1	1½	1¾	2	2½ per dozen.
	9	9½	3	3 inch.	
Frame Pulleys	4d.	5½. per gross.			
	12	14 inch.			

An extensive assortment of "China" and "Buffalo" Lock Furniture.

Terms Net Cash.

TO BUILDERS, CARPENTERS, AND OTHERS.

BENJAMIN WALMSLEY, IRONMONGER, BRASS FOUNDER, STOVE and RANGE MANUFACTURER, 126 and 127, LONDON-ROAD, Southwark, for the supply of Builders, carpenters, cabinet-makers, upholsters, blind-makers, smiths, &c. to warrant the following articles at wholesale prices:—

Best Cut Clasp	1¼	1	¾	½ in.
Best Cut Clasp	14s. 6d.	13s.	12s.	12s. per cwt.

Cast Lath, 9s. 6d. per cwt.; Sash Weights, 8s. per cwt.

Sash Pulleys, 3s. per gross.

Cast Brass, per dozen pairs:—8-in. 10d.; 9-in. 1s. 3d.; 9 in. 1s. 8d.

Iron Rain-water {	3 in.	4 in.	6 in.
pipe {	9d.	10d.	1s. 1d. per yard.
Half Round {	3	3½	4 in.
Gutter {	7½d.	7½d.	9d.
O G Gutter {	4	4½	5 in.
	11d.	1s.	1s. 6d.

Air Bricks, 3s. 6d. per dozen. Hooping for Bond, 3s. 6d. per cwt.

Dr. Arnott's Ventilators, 6s. 6d. each.

3-ft. Self-Acting Cottage Ranges, with Oven and Boiler, 25s. each.

3-ft. ditto, with Wrought Bars and Bright Fittings, 30s. each.

Register Stoves, 4½d. 5d. Best Backs, 6d. per inch.

Elliptic Stoves, with Double Backs, 8½d. per inch.

Bright Register Stoves, with Two Sets of Bars, from 8l. each.

An excellent variety of Black and Bright Register Stoves kept ready for use at all prices, to which the attention of architects and builders is respectfully invited.

A large assortment of Rim, Mortice, Drawback, Iron Gate, and other kinds of Locks and Latches. An extensive Stock of neat and elegant Door Furniture, in Brass, Porcelain, Glass, and Fancy Woods.

Finger-Plates, Levers, and Bell pulls on suits.

Bar, Hoop, Sheet, and Rod Iron, and Spring Steel.

The stock of this establishment is too extensive to be described in the limits of an advertisement; and the most correct idea that can be given of it is by any one that every trade consuming ironmongery can here select whatever they require at wholesale prices.

WALMSLEY, 126 and 127, LONDON-ROAD, SOUTH.

WARK, six doors from the Obelisk.

RAIN-WATER PIPES, O G and Half-round Gutters, Sash Weights, Railing Bars, Air Bricks, &c.

J. JONES has the largest stock in London of the above and other castings, of the very best quality. Also, cast-iron pipes for gas, water, or drainage, bends, tees, &c.; flange and hot water pipes, with all the usual connections; lamp posts and rosette gutters, curves, &c. &c.—J. JONES, IRON MERCHANT, Wharf, No. 6, BANKSIDE, LONDON, near the Southwark Iron Bridge.

CAST-IRON PIPES, IRON WORK FOR DRIVING, &c.

RAIN PIPES, &c.—F. A. TIDDEMAN and Co.

St. Ann's Wharf, Earl-street, City, near Blackfriars-bridge, keep a large stock of Rain Pipes, Heads, Shoes, Elbows, &c. &c. ground and O. G. Gutters, Socket Pipes for Water or Gas, Plain Pipes, Pitch Websters, and other Castings. Iron Work for Palace Ovens of every description, fitted complete, to be had in sets or parts.—Prices equal to all competition. Contracts taken to any extent. Goods landed. A powerful crane

COLLINGE'S PATENT HINGES.—Sole Manufactory, CHARLES COLLINGE, and Co., 6, Aldermanbury, London. Hinges of every variety are always on view for church, park, house, and counting-house and other gates and doors of halls and small dimensions, a pair of 6 feet weight moving with their weight as easily as a wicket. Ornamental hinges, adapted for drawing-rooms, &c.; doors fitted with them may be removed and replaced in an instant. Rising and double-acting spring hinges, and superior pale fastenings, at the lowest prices. None genuine unless marked "Charles Collinge, Patent, London." Plain and ornamental cast and wrought iron work, for building and other purposes. Engines, machinery, patent axle trees, cranes-cwts, &c.

FOUNDRY AND IRON WORKS, 60, DRURY-LANE, and CHARLES-STREET, DRURY-LANE

GLOVER, BROS.,

Solicit the attention of the Trade to their extensive Stock of PATTERNS for CASTINGS of EVERY DESCRIPTION either structural or ornamental.

Patterns of Girders, Columns, Balconies, Railing, Ornaments, Carriage and Park Gates, Lamp and Street Posts, Tanks, Pipe, Wheels, Pinions, Ladders, and Steam engines; Range and Hot plate Work. An improved Sheet Pump adapted for laborers' work.

A large stock of Rain-water Pipes, Plain and O G Gutters, Air-bricks, Sash Weights, Air-tight Stove Grates, Stable Fittings, Hurdles, &c.

Plain and Ornamental Vases 20 per cent. cheaper than Terra-cotta.

Estimates given for Iron Buildings, Wrought-iron Roofs, Greenhouses, Staircases, Wrought-iron Girders, Fireproof Iron Book safes and Strong Rooms, Tanks and Boilers, and every description of Ironwork to specification, and the work executed with every attention to quality and despatch.

GLOVER'S IRONWORKS,

60, DRURY-LANE, and CHARLES-STREET.

TO BUILDERS AND PLUMBERS.

The attention of the Trade is called to

JOHN WARNER & SONS' PATENT VIBRATING STANDARD PUMP,

which is recommended for the simplicity of its construction, and the ease with which it works.

By the introduction of the vibrating standard, the cumbersome narrow and pendent straps and cranks are unnecessary, rendering the pump considerably less than pumps made on the old plan.

Barrel and Water Fittings for tramway fields from a depth not exceeding 30 feet. Also Garden Engines constructed on the same principle.

JOHN WARNER & SONS,

9, Cornhill, Fenchurch-street, London.

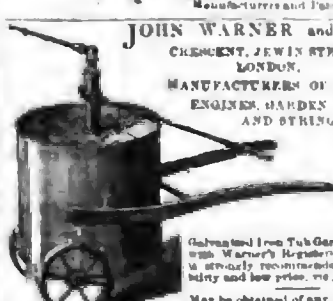
Manufacturers and Patentees.

JOHN WARNER and SONS,

CRESCENT, JEWIN STREET,

LONDON,

MANUFACTURERS OF FIRE ENGINES, GARDEN ENGINES AND SYRINGES



Galvanized Iron Tub Garden Engine, with Warner's Registered Syringe is specially recommended for safety and low price. No. 36.

May be obtained of any Ironmonger in Town and Country

ARTESIAN WELLS, Boring for Water, Sinking Shafts, &c.—The Nobility, Gentry, Water Companies, Town Improvement Bodies, Public Institutions, Breweries, Distilleries, Paper and Flour Manufacturers, Dyers, Calico Printers, and others requiring a supply of water, may be SUPPLIED at a moderate charge by DAVID GREENFIELD, Civil Engineer, and practical Artesian well borer, 10, Cumming-street, Pentonville, London. Having had upwards of twenty years' experience, is enabled to give the most satisfactory and highly responsible references. Pumps and machinery of every description for raising water from deep wells, boring tools with suitable pipes, for exportation, with instructions. Mine and tools supplied to bore for railroads, minerals, &c.

THE GREAT EXHIBITION IN LONDON AWARDED A PRIZE MEDAL TO THESE MACHINES.

PATENT MACHINES, for Planing, Moulding, Mortising, Tenoning, Grooving, Boring, and Sawing, used by joiners, builders, cabinet-makers, railway carriage and wagon builders, mill and machine-makers, plane-forty makers, &c. The principal Institutions for the Encouragement of Arts have awarded premiums to these machines; they have been found to every respect perfect in their operations, on either hard or soft wood, and will perform all the ordinary descriptions of wood required in the above trades in a superior manner, at a greatly reduced cost. These machines are now used by the first English and American Governments, and by all the principal contractors, builders, and machinists in the United Kingdom; sold by WILLIAM FURNESS, Patentee, 20, Lawton-street, Liverpool.

A SAVING of TIME and MATERIALS, with safety of building.

NATHAN GOODYER PATENT PORTABLE STEAM ENGINES of 3, 5, 6, and 8 horse power, for grinding mortar, raising building materials, driving piles, circular saws, pumps &c., 48, Albert-street, Manchester.

TESTIMONIAL.

from Charles Barry, Esq.,

8, Great George-street, Westminster

London, Oct. 27, 1851.

Mr. Nathan Goodyer,

Sir,—I have, for Mr. Barry, the pleasure of replying to your request for such limit. for a testimonial of the working of three steam engines you have supplied to the New Houses of Parliament at Westminster, by saying that they have fully answered the purpose for which they were required, viz. hoisting the building materials; and two of the three have since done work for some years, with very little repairs, and with considerable economy of fuel.—I am, Sir, your obedient servant,

Per pro CHARLES BARRY.

ALFRED MEESON.

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